AIA File No. 14-B-4
(Alternate AIA File No. 30-J)
1959

20d
Ex

EXTRUDED ALUMINUM

LOUVERS

LOUVERED PENTHOUSES

SOLAR CANOPIES

AIA File No. 14-B-4
(Alternate AIA File No. 30-J)
1959

extruded
louver corp.

louvers

● The trend toward the use of extruded aluminum in the facades of buildings has created a demand by architects for extruded aluminum louvers offering high quality and economy. Our designs answer that demand.

economy Our designs not only enable us to take full advantage of the economies inherent in the use of extrusions but also to offer a louver of high quality in an economical gauge. The frame and blades of our louvers are regularly manufactured in 12 B&S gauge, with structural ribs. Sections of 8 B&S gauge (.125 in.) may be supplied. All aluminum is 6063-T5 alloy. All fastenings are aluminum or stainless steel.

quality Our extruded aluminum louvers will be found to offer the perfect answer in quality as well as economy for your architectural requirements.

Our louvers reflect good workmanship throughout. They are strong. They have exceptional eye-appeal — the clean-cut lines, superior finish, and rigidity inherent in aluminum extrusions, as well as the strength, high degree of corrosion-resistance, and non-staining qualities of 6063-T5 alloy.

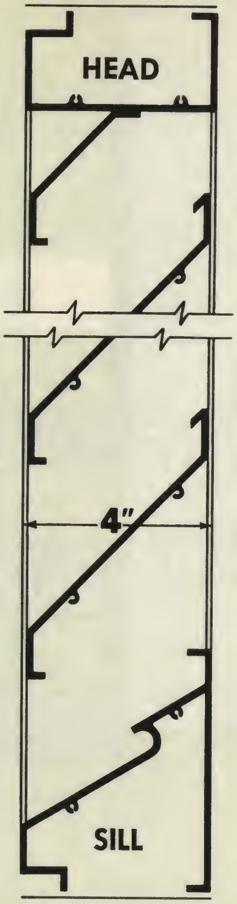
An examination of our blade profiles will show the clean air-flow lines designed into our extruded aluminum sections. Our louvers are efficient, designed to provide maximum free areas combined with high weatherproof characteristics.

Our exclusive Air-Tite Operating Louvers, designed to effect an entirely positive closure against air intake or escape, may be furnished in our standard or recessed operating louver types, or to specification.

any type—any size Our standard extruded aluminum louvers are custom-made to any size and to any structural or architectural requirement. Special louvers, as well as these standard types, may be supplied. Finishes, screens, and anchorages are available as noted on page 6 and 7.

Copyright 1958, Extruded Louver Corp.

fixed louvers

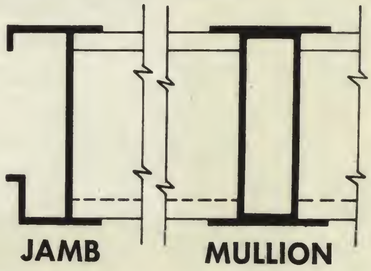


standard unit

model ES22

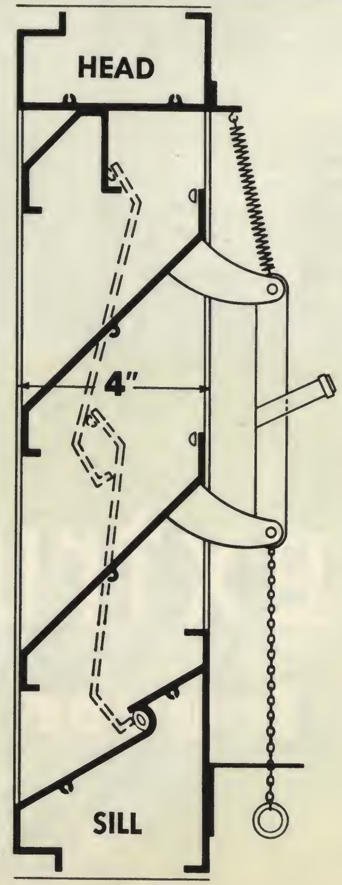
This louver has been designed to provide an effective barrier against all normal storm conditions, and at the same time to give an effective free area of 53%.

● Our jamb and mullion sections are strong and neat. Our mullion may be adjusted from 2½" to any width. Corner mullions are also available.



● Mullions may be eliminated from our fixed units. Frame and blades are then supported from the rear by vertical angles.

operating louvers



standard operating

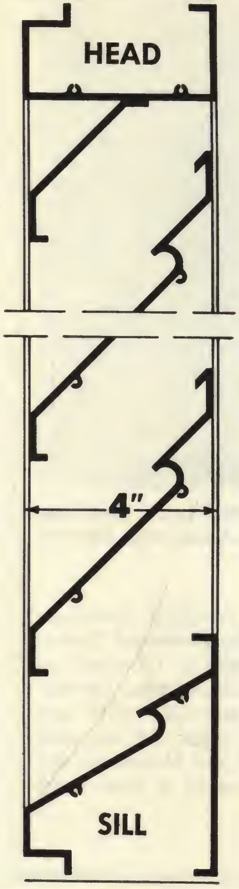
Model EO55*

Our standard operating unit may be supplied hand operated, as detailed, or with gear or motor operators, or for fusible link control as required.

The free area of this louver is 53%.

All of our operating louvers are fitted with neoprene gaskets, full width of all blades, to insure effective closure and quiet operation.

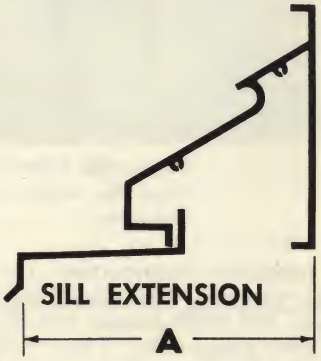
* Available as Air-Tite Operating Louver for positive seal closure against air intake or escape. Model AT-55, or with concealed operation, Model AT-88. Details on request.



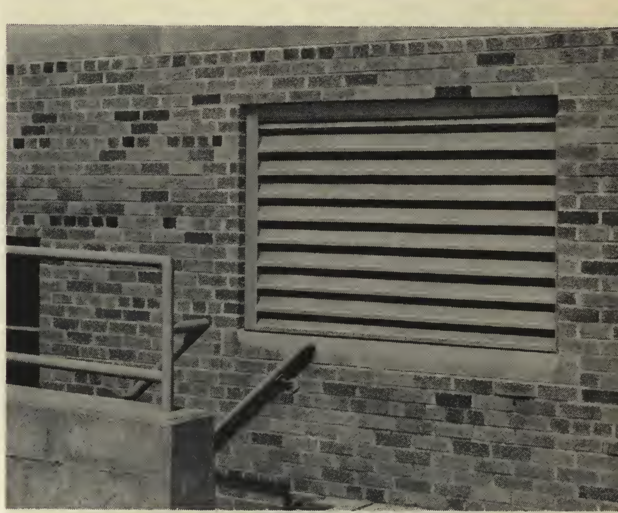
hurricane unit

Model FH44

Blade design and blade spacing here provide a maximum barrier to driving or wind lashed rain. The free area of this louver is 40%.



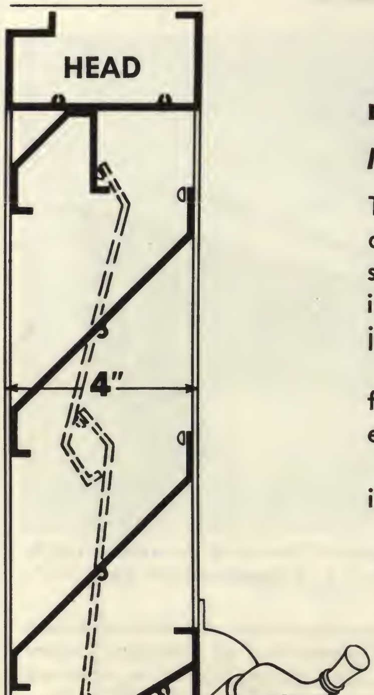
- Sill extensions and flashings may be supplied as required. They are available in any adjustment for the A dimension from 4" on up.



Fixed Louver—ES22 Installation at K-6 School, Kirkwood, N. Y. *Architect: Walter F. Bowen, Binghamton, N. Y.*

- **SUGGESTED SPECIFICATION:** All louvers to be extruded aluminum, minimum 12 B&S gauge, 6063-T5 alloy, Model No. (insert Model ES22 or FH44 as desired) as manufactured by Extruded Louver Corp., 259 Jelliff Avenue, Newark 8, N. J. All louvers to be supplied with sills, mullions, and anchorages as detailed.

For specification of screens, finishes, and special anchorages to meet particular job requirements, see pages 6 and 7.



recessed operating

Model RO88*

This operating louver presents an especially neat appearance since the blade operating device is out of sight, concealed in the jamb or mullion section.

Roto-type gear is furnished for operation of the louver from either side.

The free area of this louver is 53%.

* Concealed Fusible Link Louver, Model FL88, conceals operating mechanism in jamb. This protects mechanism from damage and, in eliminating hardware from back of louver, provides exceptional neatness.

Operating Louver—Model E055 Installation at Baldwinville Elementary School, Baldwinville, N. Y. *Architect—Ketcham, Miller & Arnold, Syracuse, N. Y.*

- **SUGGESTED SPECIFICATION:** All louvers to be extruded aluminum, minimum 12 B&S gauge, 6063-T5 alloy, Model No. (insert Model No. EO55, AT-55, RO88, AT88, or FL88 as desired) as manufactured by Extruded Louver Corp., 259 Jelliff Avenue, Newark 8, N. J. All louvers to be supplied with continuous neoprene gaskets the full length of all blades and sills. All sills, mullions, and anchorages to be supplied as detailed.

For specification of screens, finishes, and special anchorages to meet particular job requirements, see pages 6 and 7.

solar canopies

- The increasing use of air conditioning and incorporation of larger glass areas in building design are creating a growing demand for solar shading of high efficiency. Our designs answer that demand and also provide special strength, rigidity, beauty, and economy.

efficiency Our Solar Canopies reduce heat gain through windows by up to 70%. This sharply reduces ventilating or air conditioning requirements. At the same time, the louvered eyebrow design serves to diffuse sun and sky glare to give natural daylighting to rooms. This eyebrow design has the additional advantage of shading glassed areas with no obstruction to view.

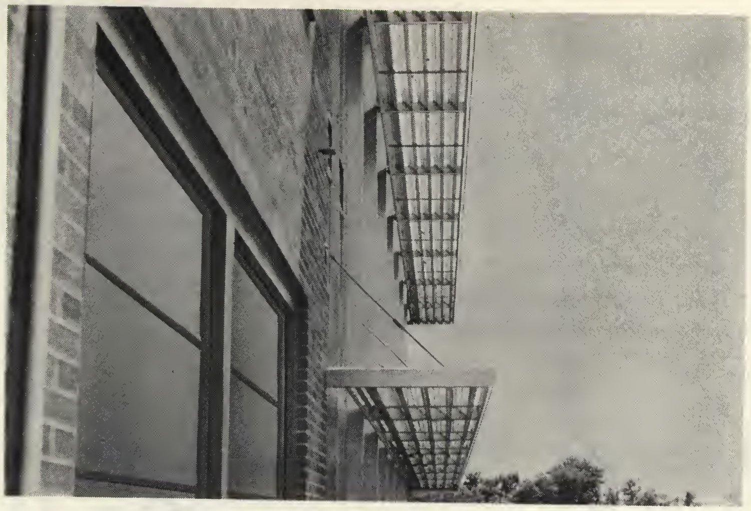
strength-rigidity Structural soundness is inherent in our use of extruded aluminum sections and aluminum castings of high strength alloy. All outlookers are certified to support snow and wind loadings with proper safety factor. All aluminum sections are 6063-T5 alloy.

beauty Our all-aluminum construction provides a good looking, neat appearance. Our Solar Canopies may be used to add materially to the exterior design of buildings. Our standard aluminum mill finish is suitable for most design requirements. Special finishes, either clear or colored, are available as noted on page 6.

economy Our Solar Canopies are competitive in price. Our designs permit low-cost fabrication from mass-produced extrusions, and also low-cost job erection. Through all-aluminum construction, further savings are realized in the absence of maintenance.

any type—any size Our Solar Canopies are engineered and fabricated to meet individual job requirements. In addition to the eyebrow and suspended types shown, closed canopies for weather protection at entrances are also available.

suspended type

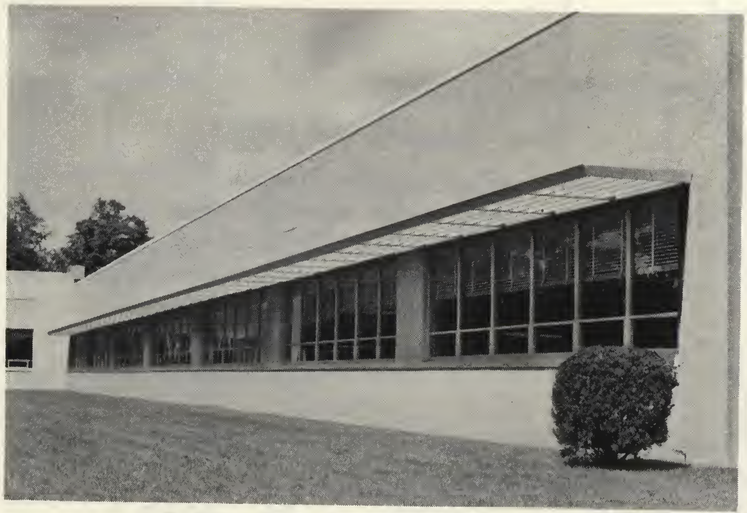


Suspended Solar Canopies — Student Union Building, Pocatello, Idaho. *Architect—Davis Associates, Denver, Colorado.*

- **SUGGESTED SPECIFICATION:** Per drawings install extruded aluminum Solar Canopies, Suspended Type, as manufactured by Extruded Louver Corp., 259 Jelliff Avenue, Newark 8, N. J. All sections to be minimum 12 B&S gauge, 6063-T5 alloy, with reinforcing structural ribs. Anchorages to be aluminum suspension rods secured to outlookers with cast aluminum brackets secured to wall with 3/16″ bent plate. All extruded aluminum to have standard mill finish, free of scars and blemishes, and to be cleaned to an even color. All fascia to present a trim, neat appearance.

For specification of special finishes, see page 6.

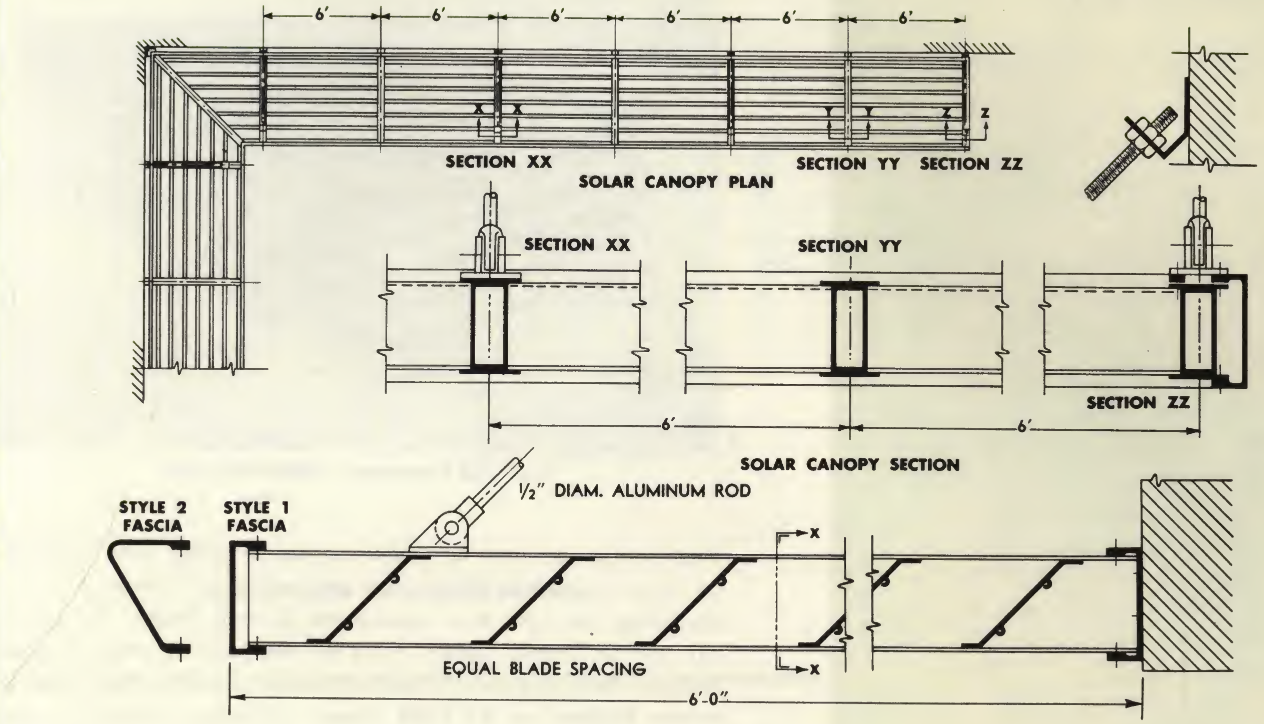
eyebrow type

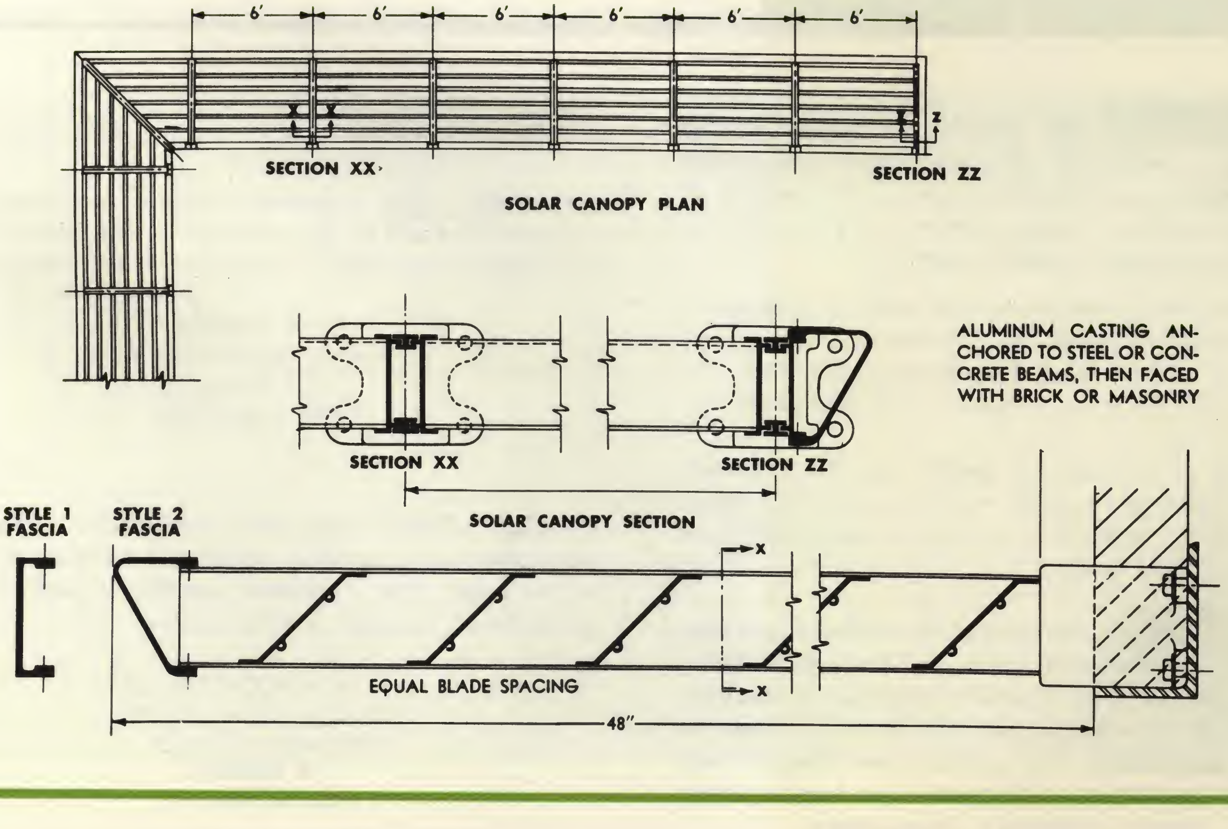


Eyebrow Solar Canopies —Ellsworth Laboratories, Litchfield Conn. *Architect—C. C. Thorensen, New York, N. Y.*

- **SUGGESTED SPECIFICATION:** Per drawings install extruded aluminum Solar Canopies, Eyebrow Type, as manufactured by Extruded Louver Corp., 259 Jelliff Avenue, Newark 8, N. J. All sections to be minimum 12 B&S gauge, 6063-T5 alloy, with reinforcing structural ribs. Anchorages to be socket type aluminum castings of high strength aluminum alloys. All extruded aluminum to have standard mill finish, free of scars and blemishes, and to be cleaned to an even color. All fascia to be selected to present a trim, neat appearance.

For specification of special finishes, see page 6.





ALUMINUM CASTING ANCHORED TO STEEL OR CONCRETE BEAMS, THEN FACED WITH BRICK OR MASONRY

louvered penthouses

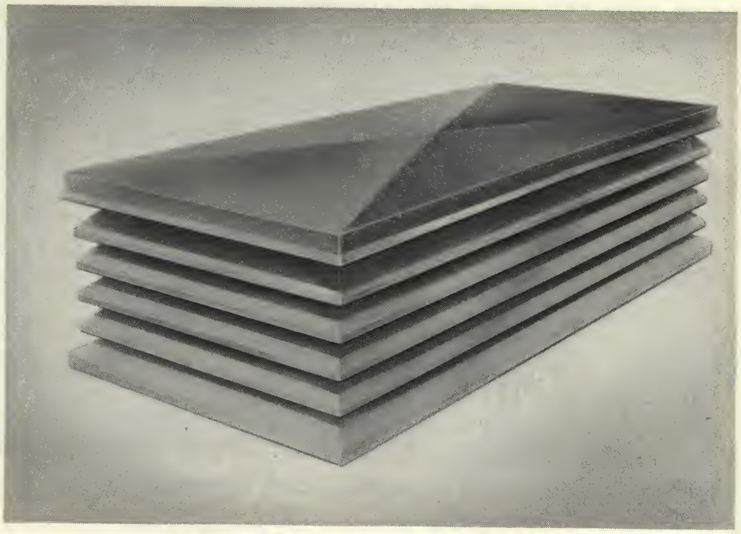
• Our extruded aluminum penthouses are the practical and attractive answer to air venting—or air intake—through roofs.

custom-built These are complete units, shop-assembled and shipped to the job for easy erection by simply dropping on existing curbs.

quality They are sturdy and neat. Louver blades extend continuously around all sides to present a trim appearance. Free areas give high efficiency, yet design provides effective barrier against storm conditions. Sturdy construction is all-aluminum as described in next column.

economy Our fabrication from mass-produced extrusions favors low initial cost; prefabrication cuts erection costs. Aluminum eliminates maintenance.

fixed and operating



Louvered Penthouse—Model PH-1000

Our penthouses are available as fixed units, with hurricane or fixed standard blades, or as operating types. The only limitation on size is a minimum 22-inch height to provide effective free area. Larger units are supplied in easily handled sections for quick on-the-job assembly and erection. Standard louver blades are 12 B&S gauge extrusions, 6063-T5 alloy, with structural support angles (⅛ inch extrusions may be supplied.) Roof is 12 B&S gauge sheet aluminum, supports available to give proper safety factor for snow loading. For maximum strength, free area and stormproofness, all units are continuously heliarc welded at corners.

screens

We furnish standard aluminum screens in a variety of standard meshes and gauges. These present a neat finished appearance for either interior or exterior use. Special screens may also be supplied to the architect's specification.

Standard Insect Screen—18 x 14 mesh, .0123 gauge
Standard Bird Screens—¼-inch mesh, .047 gauge
½-inch mesh, .063 gauge
¾-inch mesh, .063 gauge

All screens are retained in special extruded aluminum frames, mitred and secured at all corners. All screens may be easily removed, and may be easily rescreened using the original frames.

finishes

Our extruded aluminum products present an excellent appearance in Standard Mill Finish. Anodized or Satin Finishes—chemical or mechanical—may be furnished to any Aluminum Company of America specification. Our products also may be supplied with protective coatings of clear lacquer where specified.

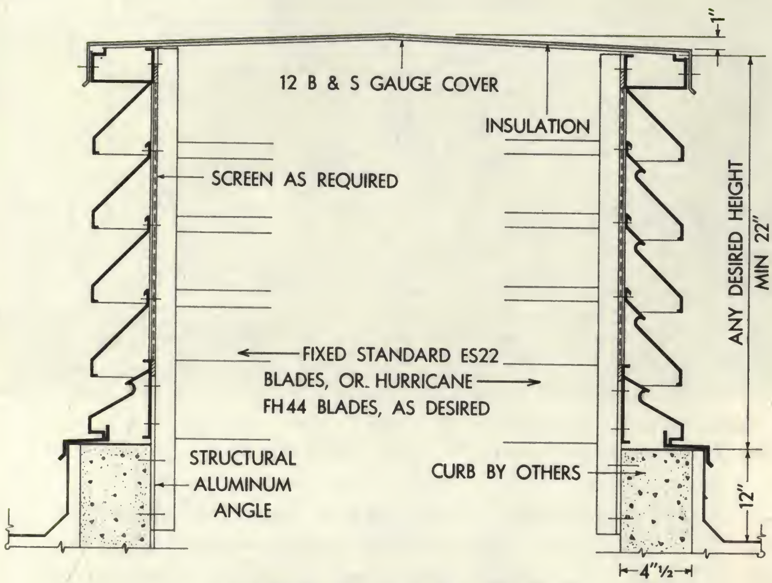
anchorages

standard The following standard anchorages are recommended and proven to answer all general anchorage requirements for brick, masonry or wood construction.

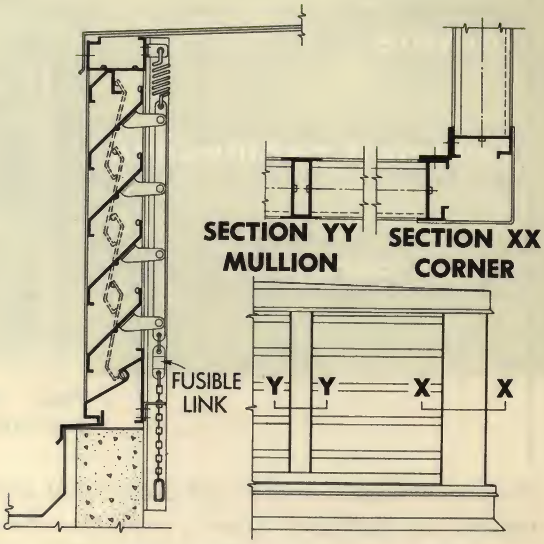
STRAP ANCHOR
EXPANSION SHIELD AND BOLT
CLIP ANGLE
(SIZED AS REQUIRED)

special The following are representative of custom-engineered anchorages developed and supplied by Extruded Louver Corp. to answer any special conditions for window wall, masonry or steel construction.

TYPICAL WINDOW MULLION
HOLLOW METAL FRAME
SPECIAL CLIP ANGLE
AS DESIRED
(SIZED AS REQUIRED)


1"
12 B & S GAUGE COVER
INSULATION
SCREEN AS REQUIRED
ANY DESIRED HEIGHT MIN 22"
FIXED STANDARD ES22 BLADES, OR HURRICANE FH44 BLADES, AS DESIRED
STRUCTURAL ALUMINUM ANGLE
CURB BY OTHERS
12"
4"½

LOUVERED PENTHOUSE SECTION

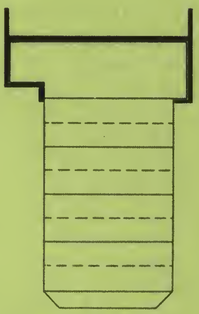


OPERATING LOUVERED PENTHOUSE SECTION

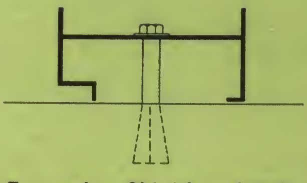
SUGGESTED SPECIFICATION: Per drawings install prefabricated extruded aluminum Louvered Penthouse Model PH-1000 as manufactured by Extruded Louver Corp., 259 Jelliff Avenue, Newark 8, N. J. Dimensions per drawing. Louver blades to be minimum 12 B&S gauge 6063-T5 alloy, extruded aluminum sections. Roof to be of 12 B&S gauge sheet aluminum, reinforced by structural angles where required. All blades, heads and sills to have neat, mitred joints at corners. All mitres continuously heliarc welded. All blades, head and roof supported by structural aluminum angles. All aluminum to have standard mill finish.

For screen and finish specifications, see page 6.

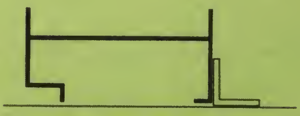
standard anchorages



Strap Anchor

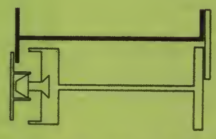


Expansion Shield and Bolt

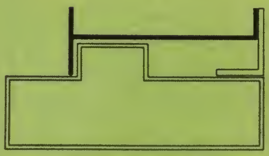


Clip Angle
(Sized as Required)

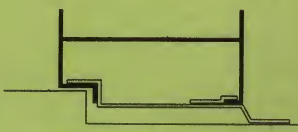
special anchorages



Typical Window Mullion



Hollow Metal Frame



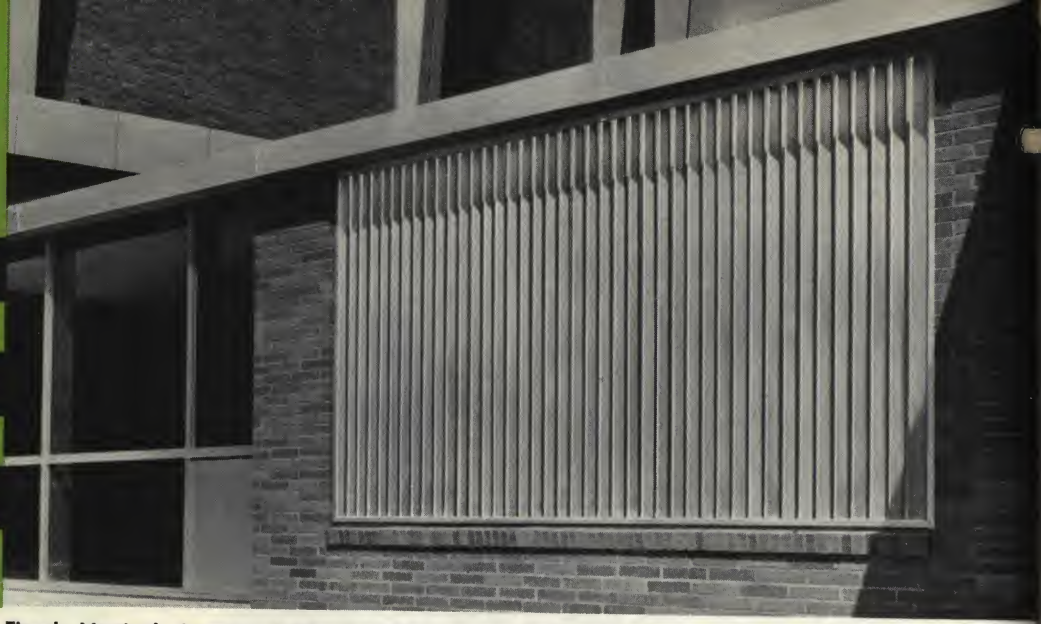
Special Clip Angle
As Desired

XTRUDED ALUMINUM

louvers

louvered penthouses

solar canopies



Fixed Vertical Louver—V22. Installation at Dallas Memorial Auditorium, Dallas, Texas. *Architect—George L. Dahl, Dallas, Texas*

Beauty, strength, utility and exceptional economy—ensured by Extruded Louver products wherever the project suggests or requires louvers, louvered penthouses or solar canopies.

Job-engineered to your specific requirements — any type, any size — in durable extruded aluminum.

We invite your further inquiry — and shall be pleased to submit prospectus drawings prepared to answer your individual job requirements and to furnish price information.

QUALIFIED SALES REPRESENTATIVES OF OUR PRODUCT LINE ARE LOCATED IN THE PRINCIPAL CITIES SHOWN BELOW.

ALABAMA	Birmingham	ALpine 2-3161
	Montgomery	HEmlock 8-1623 *(Pensacola, Florida)*
ARIZONA	Phoenix	ELgin 5-8887 *(Salt Lake City, Utah)*
ARKANSAS	Little Rock	JAckson 6-2897 *(Memphis, Tennessee)*
COLORADO	Denver	AMhurst 6-2475
CONNECTICUT	Hartford	COrtlandt 7-0223 *(New York City, N. Y.)*
	New Haven	COrtlandt 7-0223 *(New York City, N. Y.)*
FLORIDA	Pensacola	HEmlock 8-1623
GEORGIA	Atlanta	JAckson 5-3193
IDAHO	Boise City	ELgin 5-8887 *(Salt Lake City, Utah)*
ILLINOIS	Chicago	FRanklin 2-5795
	Springfield	YOrktown 6-3555 *(St. Louis, Missouri)*
INDIANA	Fort Wayne	ANthony 7151
	Indianapolis	WAlnut 4-2508
IOWA	Des Moines	FRanklin 2-5795 *(Chicago, Illinois)*
KANSAS	Wichita	AMhurst 5-2821
KENTUCKY	Lexington	LExington 4-0950
LOUISIANA	Shrevesport	SHrevesport 7-0521
DELAWARE	Wilmington	SHerwood 7-7957 *(Philadelphia, Pa.)*
MARYLAND	Baltimore	NAtional 8-3860 *(Washington, D.C.)*
MISSISSIPPI	Jackson	JAckson 4-2346
MISSOURI	St. Louis	YOrktown 6-3555
NEBRASKA	Omaha	WEbster 1559
NEW JERSEY	Camden	SHerwood 7-7957 *(Philadelphia, Pa.)*
	Newark	TAlbot 4-2030
NEW MEXICO	Santa Fe	AMhurst 6-2475 *(Denver, Colorado)*
NEVADA	Las Vegas	ELgin 5-8887 *(Salt Lake City, Utah)*
NEW YORK	Albany	ARsenal 3-6613
	Buffalo	FAirview 1310
	New York City	COrtlandt 7-0223
	Rochester	HIllside 5-1900
	Syracuse	GRanit 6-3232
NORTH CAROLINA	Charlotte	CEdar 9-7569 *(Greenville, S. Carolina)*
OHIO	Cleveland	MIchigan 1-4070
PENNSYLVANIA	Philadelphia	SHerwood 7-7957
	Pittsburgh	MUseum 3-2500
	Scranton	DIamond 7-9691
SOUTH CAROLINA	Greenville	CEdar 9-7569
TENNESSEE	Chattanooga	MAdison 9-7309
	Johnson City	458
	Memphis	JAckson 6-2897
TEXAS	Austin	HOmestead 5-6897
	Dallas	EMerson 1-1927
UTAH	Salt Lake City	ELgin 5-8887
VIRGINIA	Richmond	ATlantic 2-6366
	Roanoke	ROanoke 5-8119
WEST VIRGINIA	Charleston	DIckins 2-1169
	Wheeling	MUseum 3-2500 *(Pittsburgh, Pa.)*
WISCONSIN	Madison	CEdar 3-8842
	Milwaukee	WEst 3-1877
WYOMING	Casper	AMhurst 6-2475 *(Denver, Colorado)*
DISTRICT OF COLUMBIA	Washington	NAtional 8-3860

extruded louver corp.

log EXL-58

259 Jelliff Avenue, Newark 8, N. J. • TAlbot 4-2030

Printed in U.S.A.

Digitized by:

INTERNATIONAL

ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

https://archive.org/details/buildingtechnologyheritagelibrary

From the collection of:

Carol J. Dyson, AIA